

4650, Lake Ridge Schools

PROJECT ABSTRACT

Indiana colleges are setting higher admission standards at the same time that the state is replacing ISTEP+ with the more-rigorous ECA graduation requirements. Now, more than ever, Calumet High School teachers must fundamentally change what students do every day to learn in their core classes and to demonstrate learning. A former INAccess Ed Tech grant allowed Calumet to take a big leap toward technology-integrated curriculum that will help our students be competitive in the world workplace. That grant also enabled the English teachers to change the way they teach and assess content and curriculum. The 1:1 computing environment allows students to interact with their curriculum resources and we would like to bring that experience to our math classrooms.

The primary aim of this project is to increase reading and math skills in all core curricular areas through differentiated instruction and project-based learning with computers in the math classrooms. 1:1 computing in the math classrooms and relevant professional development will provide all students with new tools and resources that will allow them to engage with more rigorous math course content that is directly tied to other core areas, the Indiana Academic Standards, and the 16 career clusters designed to prepare them for emerging high wage and high demand (HWHD) occupations. At the outcome of this grant period, students participating in the project will be exposed to increased collaborative learning methods, like STAD (Student Teams Achievement Divisions), and problem-based course content and, as a result, Calumet will be able to document higher student engagement, higher student achievement on standardized testing, and higher attendance and graduation rates.